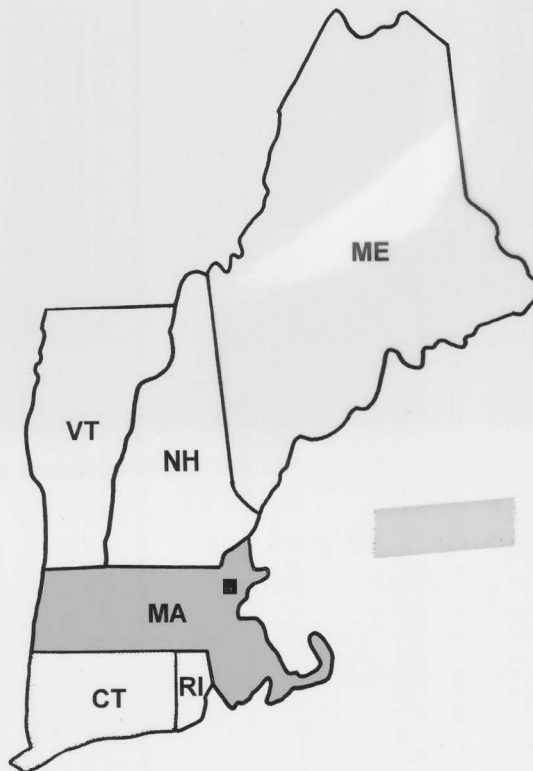


Research and Development



HISTORICAL AERIAL PHOTOGRAPHIC ANALYSIS, LAND USE/LAND COVER ANALYSIS, SITE DISCOVERY INVENTORY ANALYSIS, WETLANDS/DRAINAGE ANALYSIS, AND FRACTURE TRACE ANALYSIS OF OLIN CHEMICAL SUPERFUND SITE Wilmington, Massachusetts Volume 2

EPA Region 1



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HISTORICAL AERIAL PHOTOGRAPHIC ANALYSIS, LAND USE/LAND COVER ANALYSIS, SITE DISCOVERY INVENTORY ANALYSIS, WETLANDS/DRAINAGE ANALYSIS, AND FRACTURE TRACE ANALYSIS OF OLIN CHEMICAL SUPERFUND SITE

Wilmington, Massachusetts

Volume 2

by

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LAS VEGAS, NEVADA 89193-3478

NO

Over-lay

Attached



FIGURE 1. SITE LOCATION MAP, MASSACHUSETTS (USGS, 1972).
APPROXIMATE SCALE 1:2,500,000.

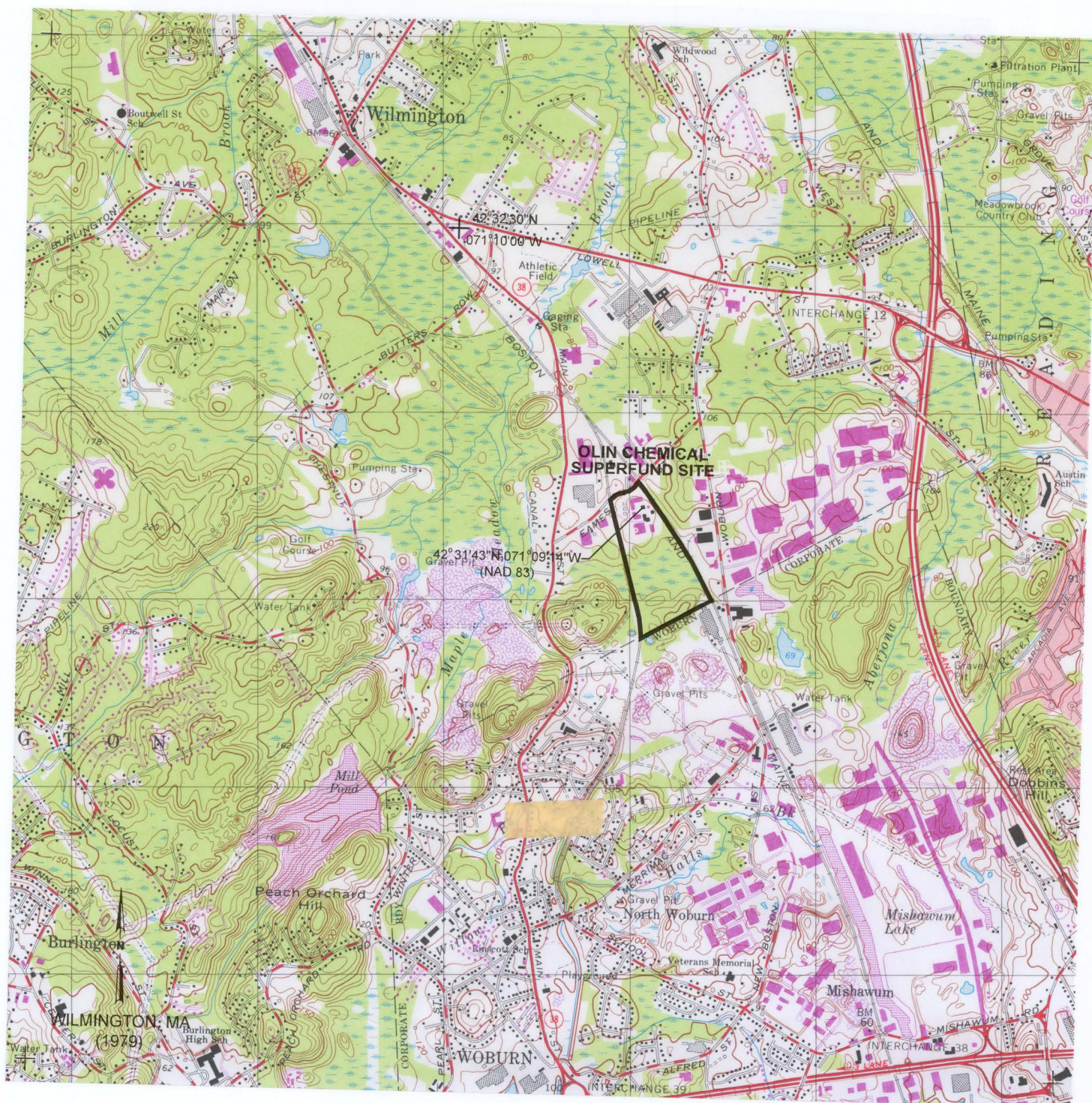


FIGURE 2. LOCAL SITE LOCATION MAP, WILMINGTON, MASSACHUSETTS (USGS, 1979).
APPROXIMATE SCALE 1:14, 370.

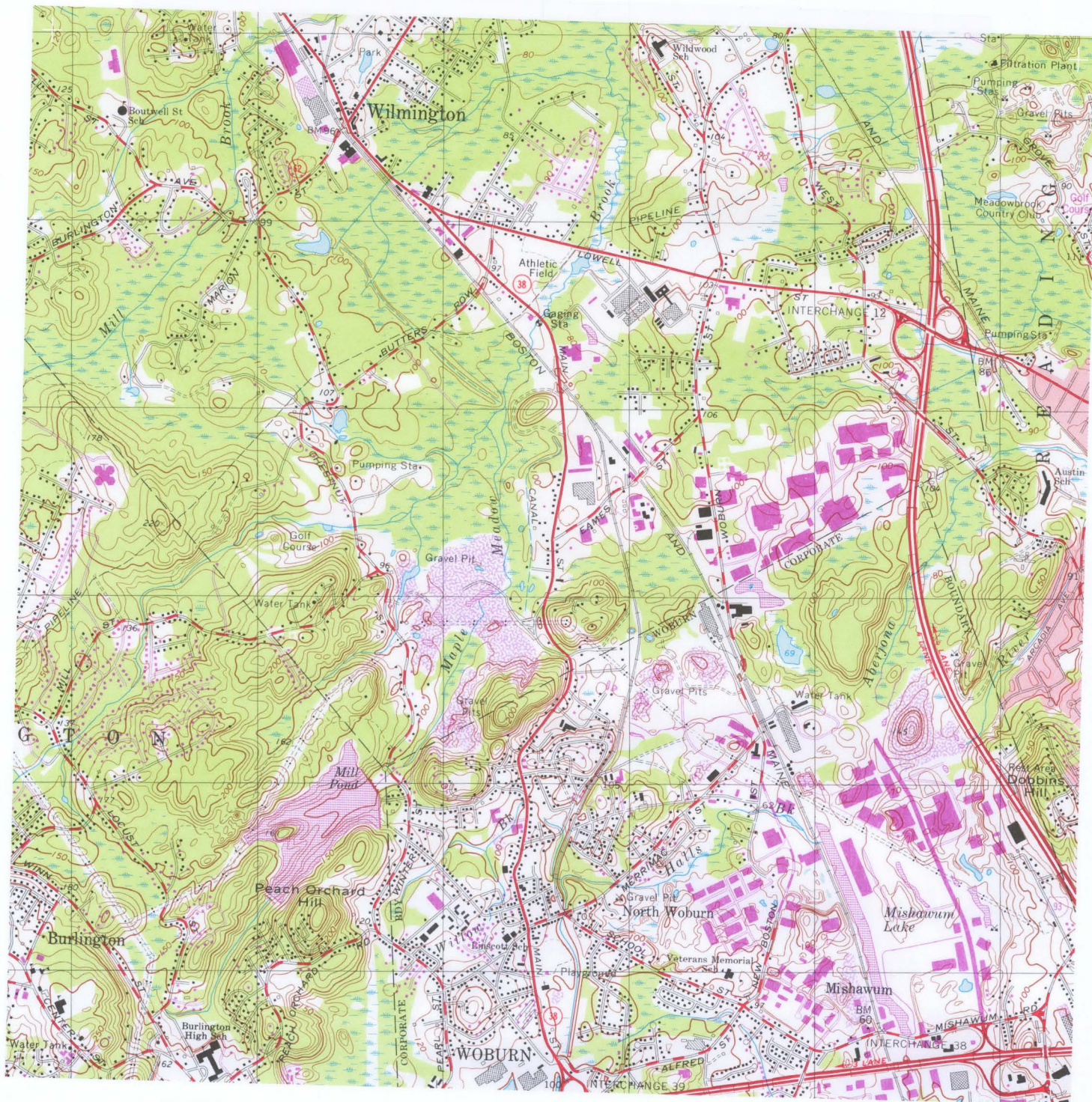


FIGURE 2. LOCAL SITE LOCATION MAP, WILMINGTON, MASSACHUSETTS (USGS, 1979).
APPROXIMATE SCALE 1:14, 370.

LEGEND











	SITE BOUNDARY
	FENCE
	DRAINAGE
	RAIL SPUR
	VEHICLE ACCESS
	PIPELINE
	EXCAVATION/PIT
	MOUNDED MATERIAL
	ESCARPMENT
	BERM/DIKE
B	BUILDING
CR	CRATES
DB	DEBRIS
DG	DISTURBED GROUND
DR	DRUMS
DT	DARK-TONED
F	FOUNDATION
FL	FILL
GS	GROUND SCAR
HT	HORIZONTAL TANK
IM	IMPOUNDMENT
LF	LANDFILL
LG	LAGOON
LT	LIGHT-TONED
M	MATERIAL
MM	MOUNDED MATERIAL
OS	OPEN STORAGE AREA
REVEG	REVEGETATED
R/R	RAILROAD
SB	SUPPORT BUILDING
SL	STANDING LIQUID
ST	STAIN
SW	SOLID WASTE
TR	TRENCH
VEH	VEHICLE(S)
VT	VERTICAL TANK
*	COLLATERAL DATA



FIGURE 3. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, OCTOBER 12, 1952.
APPROXIMATE SCALE 1:2,880.



FIGURE 3. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, OCTOBER 12, 1952. APPROXIMATE SCALE 1:2,880.

LEGEND











	SITE BOUNDARY
	FENCE
	DRAINAGE
	RAIL SPUR
	VEHICLE ACCESS
	PIPELINE
	EXCAVATION/PIT
	MOUNDED MATERIAL
	ESCARPMENT
	BERM/DIKE
B	BUILDING
CR	CRATES
DB	DEBRIS
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ST	STAIN
SW	SOLID WASTE
TR	TRENCH
VEH	VEHICLE(S)
VT	VERTICAL TANK
*	COLLATERAL DATA



FIGURE 4. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:2,880.



FIGURE 4. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:2,880.



FIGURE 5. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 12, 1965.
APPROXIMATE SCALE 1:2,880.

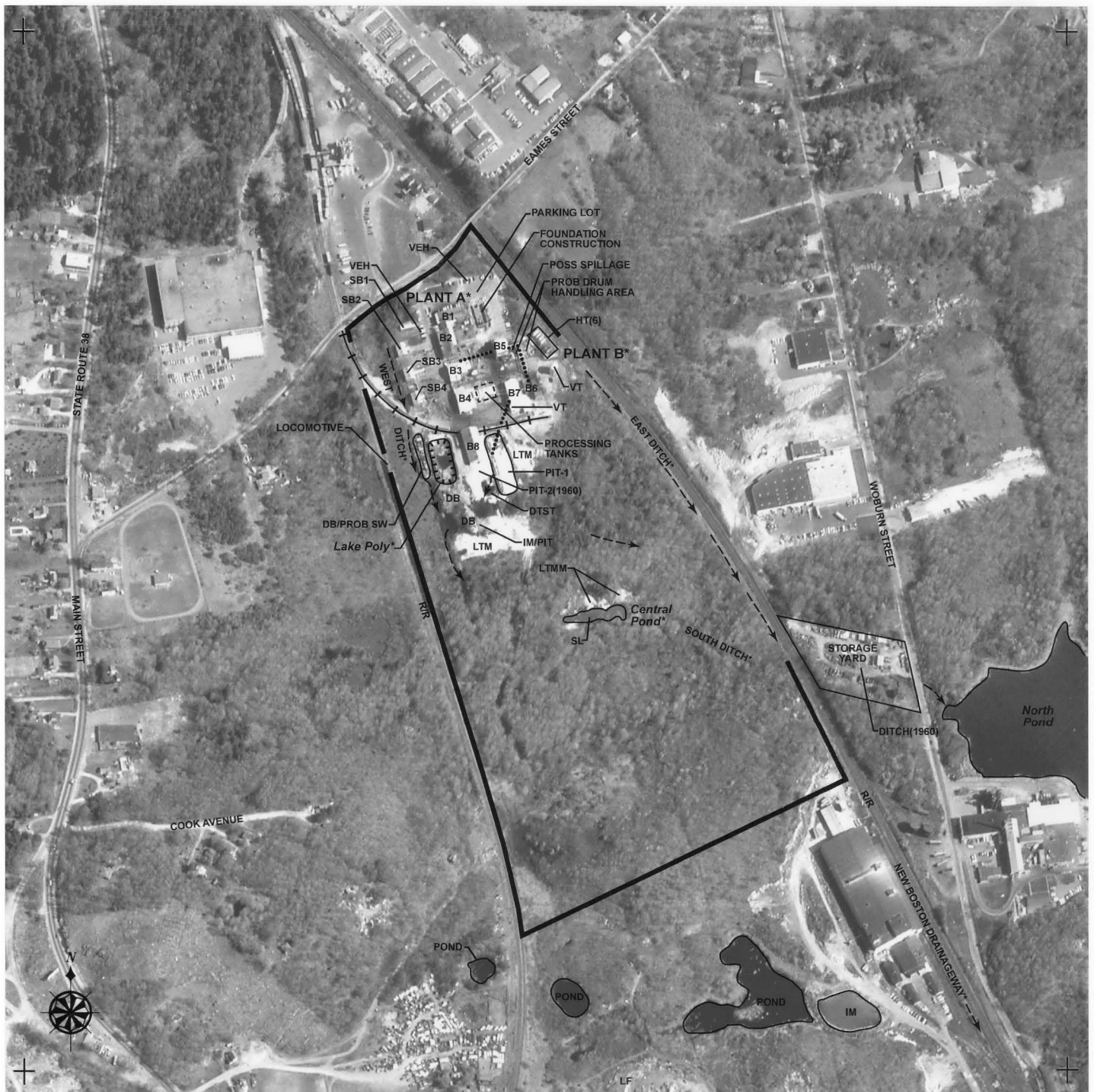


FIGURE 5. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 12, 1965.
APPROXIMATE SCALE 1:2,880.



FIGURE 6. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, JUNE 6, 1971.
APPROXIMATE SCALE 1:2,880.

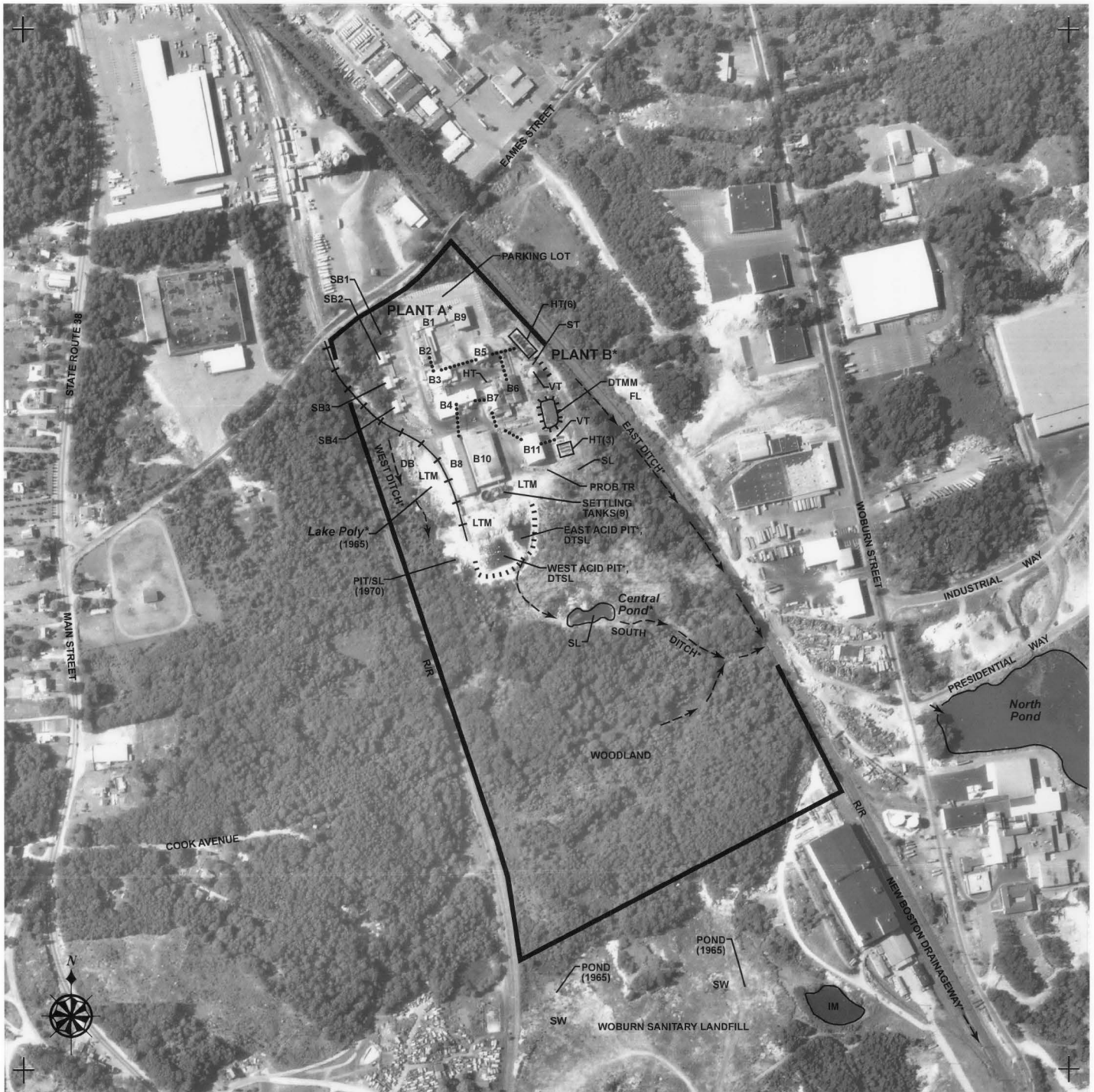


FIGURE 6. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, JUNE 6, 1971.
APPROXIMATE SCALE 1:2,880.



FIGURE 7. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, APRIL 23, 1978.
APPROXIMATE SCALE 1:2,880.



FIGURE 8. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, NOVEMBER 6, 1980.
APPROXIMATE SCALE 1:2,880.



FIGURE 8. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, NOVEMBER 6, 1980. APPROXIMATE SCALE 1:2,880.



FIGURE 9. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, NOVEMBER 6, 1980.
APPROXIMATE SCALE 1:1,400.



FIGURE 9. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, NOVEMBER 6, 1980. APPROXIMATE SCALE 1:1,400.



FIGURE 10. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, AUGUST 22, 1984.
APPROXIMATE SCALE 1:3,000.



FIGURE 10. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, AUGUST 22, 1984.
APPROXIMATE SCALE 1:3,000.



FIGURE 10. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, AUGUST 22, 1984.
APPROXIMATE SCALE 1:3,000.













FIGURE 11. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 16, 1991.
APPROXIMATE SCALE 1:3,000.



FIGURE 11. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MAY 16, 1991.
APPROXIMATE SCALE 1:3,000.

LEGEND

	SITE BOUNDARY
	FENCE
	DRAINAGE
	RAIL SPUR
	VEHICLE ACCESS
	PIPELINE
	EXCAVATION/PIT
	MOUNDED MATERIAL
	ESCARPMENT
	BERM/DIKE
B	BUILDING
CR	CRATES
DB	DEBRIS
DG	DISTURBED GROUND
DR	DRUMS
DT	DARK-TONED
F	FOUNDATION
FL	FILL
GS	GROUND SCAR
HT	HORIZONTAL TANK
IM	IMPOUNDMENT
LF	LANDFILL
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ST	STAIN
SW	SOLID WASTE
TR	TRENCH
VEH	VEHICLE(S)
VT	VERTICAL TANK
*	COLLATERAL DATA

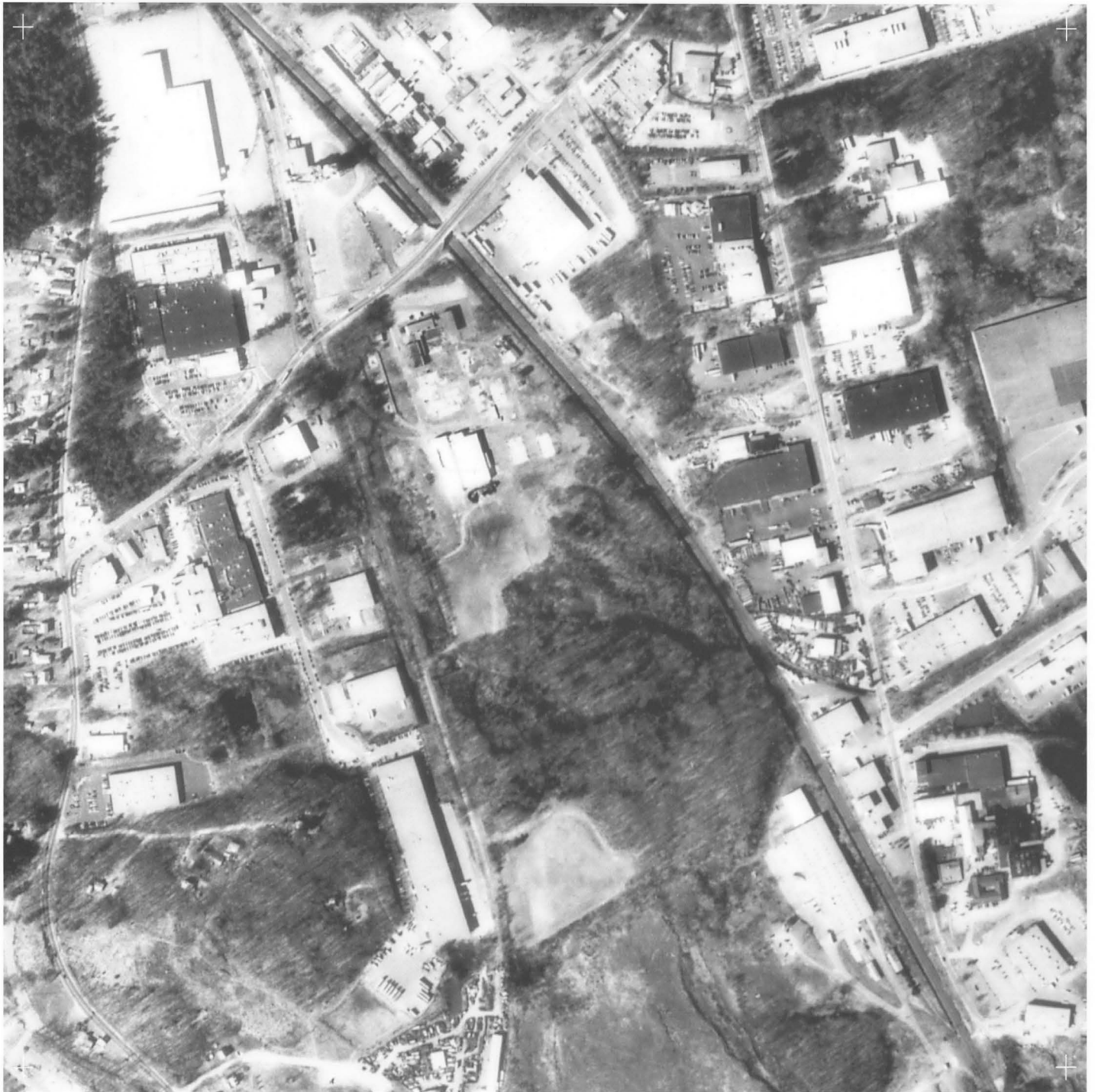


FIGURE 12. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MARCH 29, 1995.
APPROXIMATE SCALE 1:2,880.

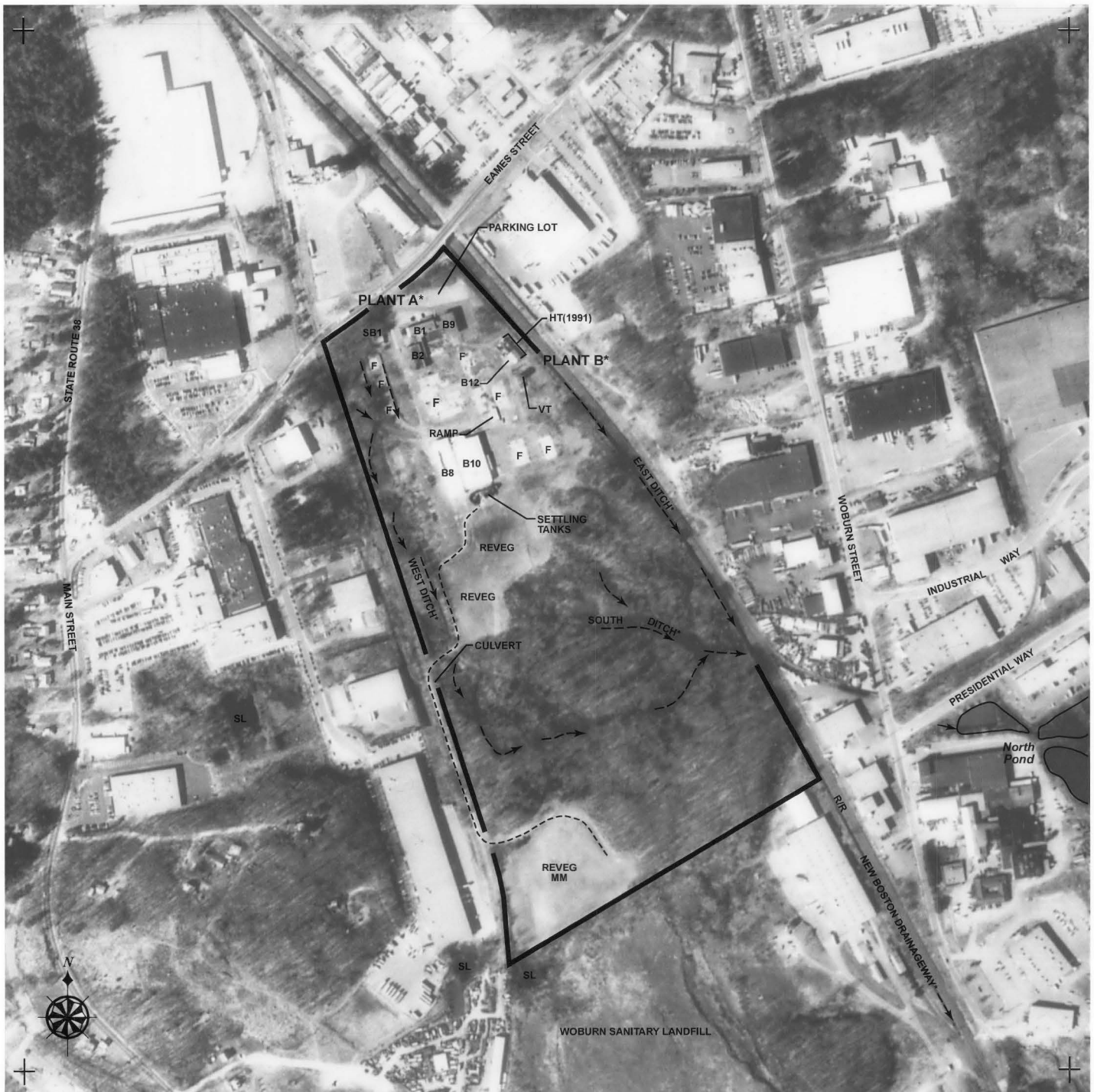


FIGURE 12. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, MARCH 29, 1995.
APPROXIMATE SCALE 1:2,880.

LEGEND











	SITE BOUNDARY
	FENCE
	DRAINAGE
	RAIL SPUR
	VEHICLE ACCESS
	PIPELINE
	EXCAVATION/PIT
	MOUNDED MATERIAL
	ESCARPMENT
	BERM/DIKE
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TR	TRENCH
VEH	VEHICLE(S)
VT	VERTICAL TANK
*	COLLATERAL DATA



FIGURE 13. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:2,880.



FIGURE 13. OLIN CHEMICAL SUPERFUND SITE, HISTORICAL PHOTOGRAPHIC ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:2,880.

LEGEND

URBAN

- 11 Residential
- 12 Commercial and Services
- 13 Industrial
- 14 Utilities
- 17 Other Urban

AGRICULTURAL LAND

- 21 Cropland and Pasture

FOREST LAND

- 43 Mixed Forest Land

WATER

- 52 Lakes

WETLAND

- 61 Forested Wetland
- 62 Non-Forested Wetland

BARREN LAND

- 75 Strip Mines, Quarries,
and Gravel Pits
- 76 Transitional

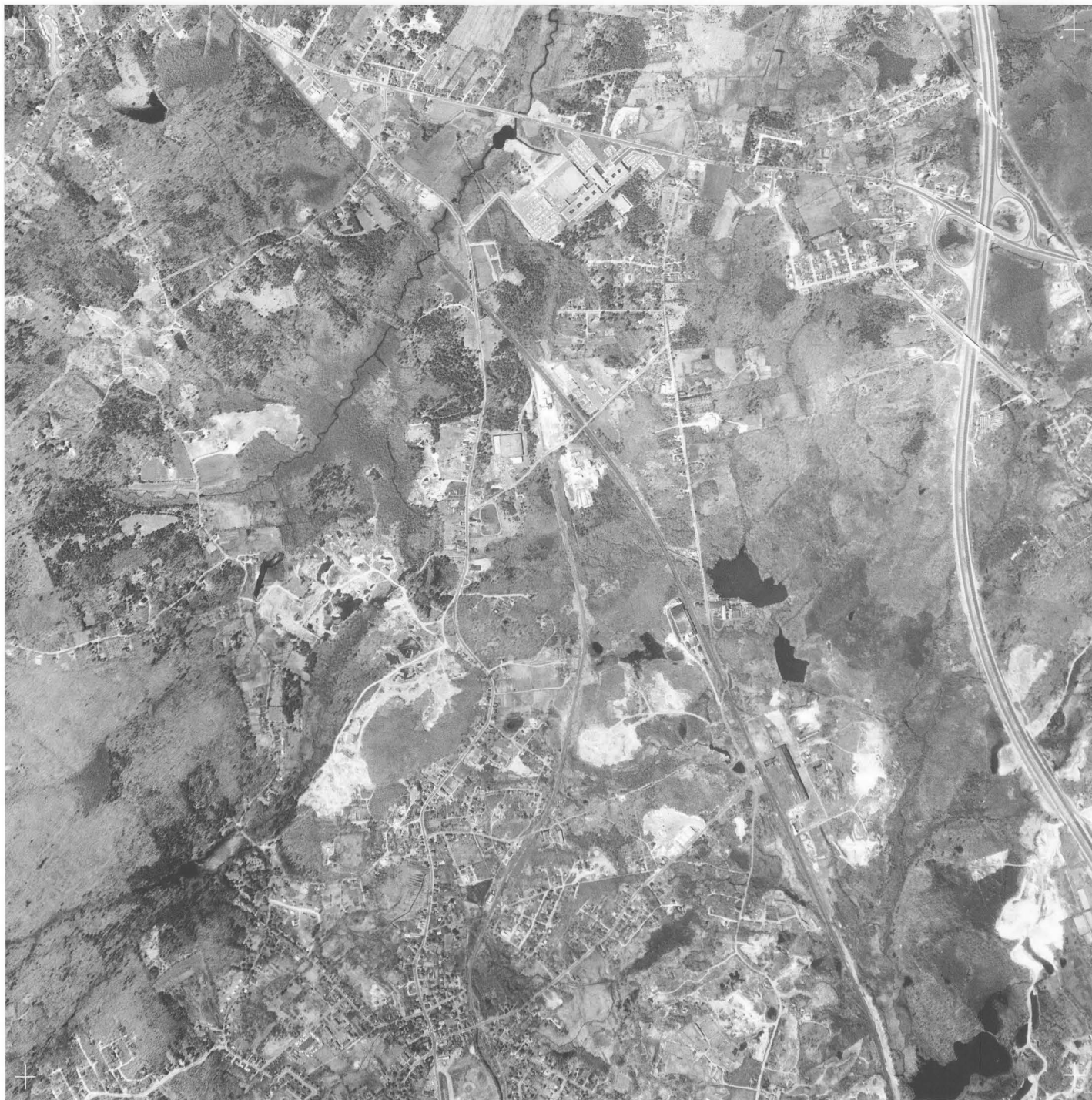


FIGURE 14. OLIN CHEMICAL SUPERFUND SITE, LAND USE/LAND COVER ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.



FIGURE 14. OLIN CHEMICAL SUPERFUND SITE, LAND USE/LAND COVER ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.

LEGEND

URBAN

- 11 Residential
- 12 Commercial and Services
- 13 Industrial
- 14 Utilities
- 17 Other Urban

AGRICULTURAL LAND

- 21 Cropland and Pasture

FOREST LAND

- 43 Mixed Forest Land

WATER

- 52 Lakes

WETLAND

- 61 Forested Wetland
- 62 Non-Forested Wetland

BARREN LAND

- 75 Strip Mines, Quarries,
and Gravel Pits
- 76 Transitional

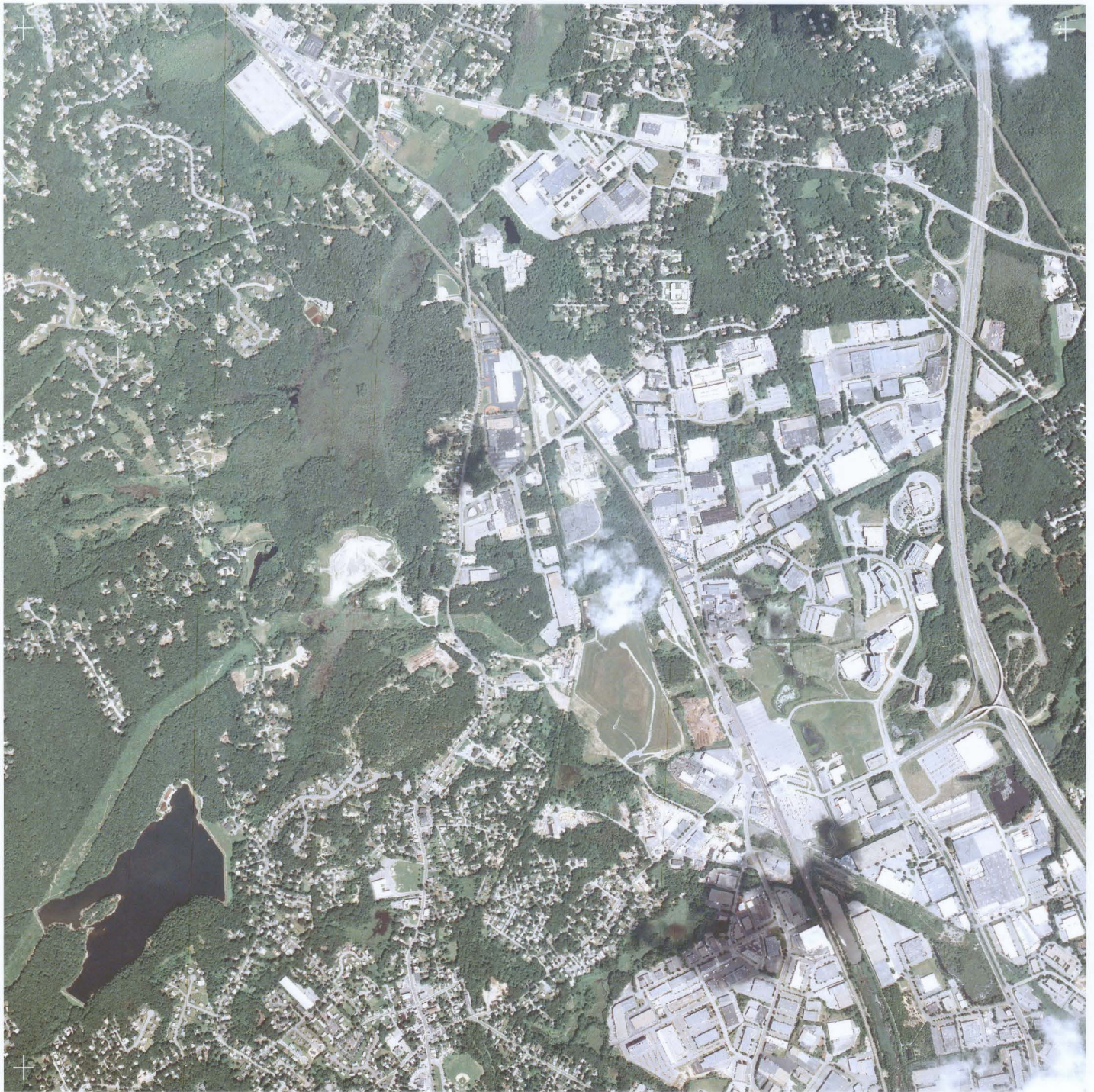


FIGURE 15. OLIN CHEMICAL SUPERFUND SITE, LAND USE/LAND COVER ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.



FIGURE 15. OLIN CHEMICAL SUPERFUND SITE, LAND USE/LAND COVER ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.

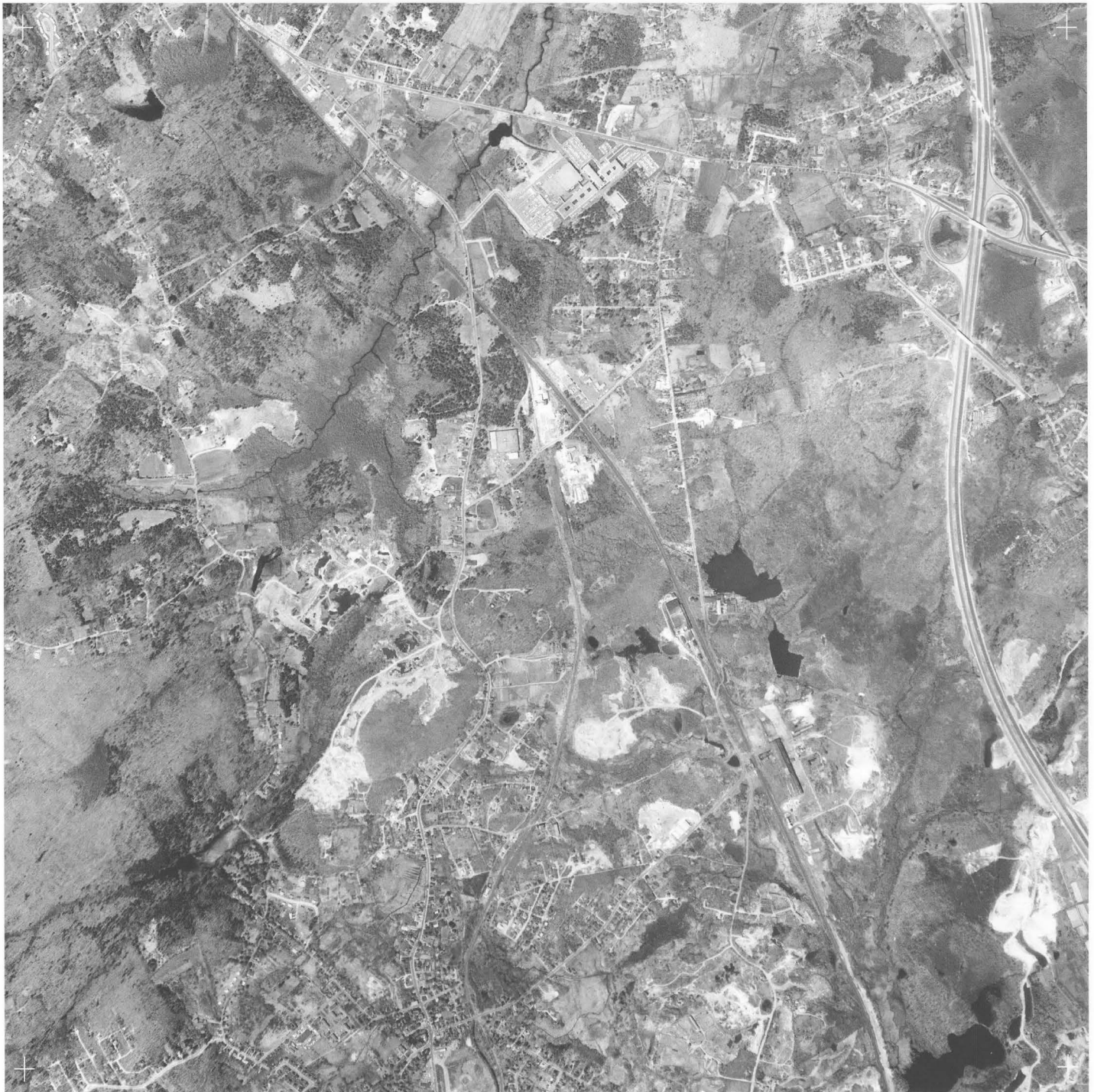


FIGURE 16. OLIN CHEMICAL SUPERFUND SITE, SITE DISCOVERY INVENTORY ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.

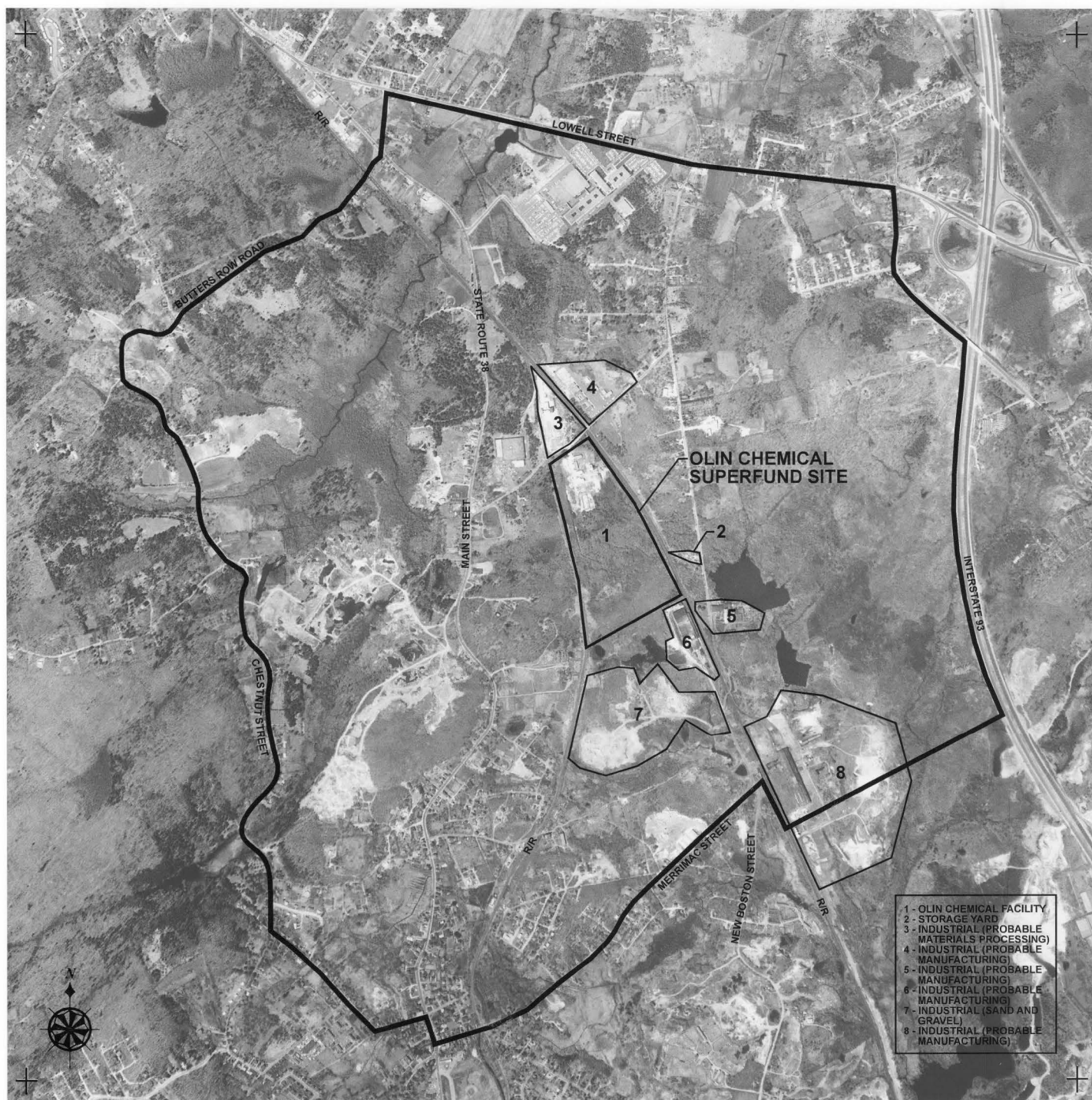


FIGURE 16. OLIN CHEMICAL SUPERFUND SITE, SITE DISCOVERY INVENTORY ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.



FIGURE 17. OLIN CHEMICAL SUPERFUND SITE, SITE DISCOVERY INVENTORY ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.



FIGURE 17. OLIN CHEMICAL SUPERFUND SITE, SITE DISCOVERY INVENTORY ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.

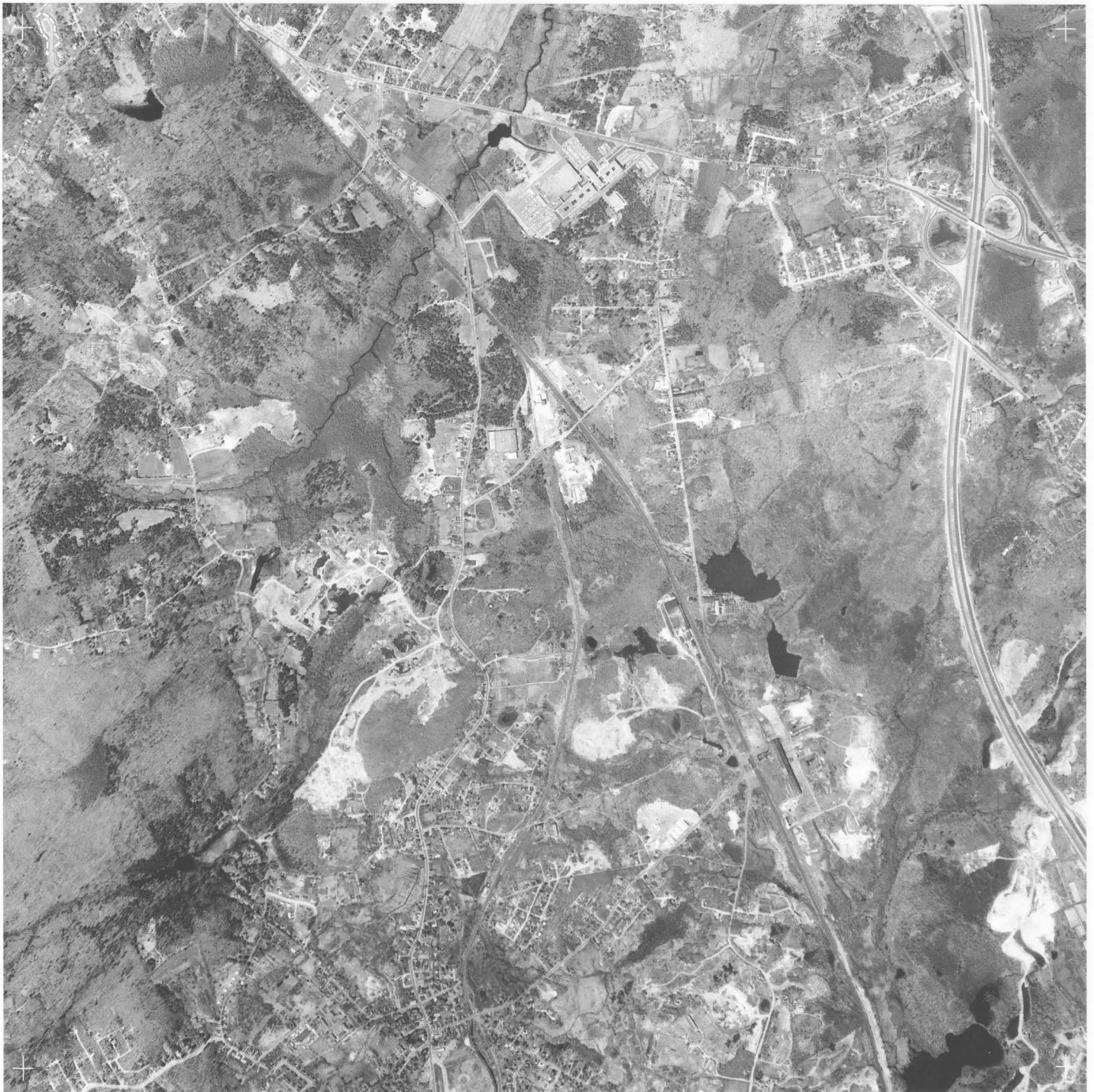


FIGURE 18. OLIN CHEMICAL SUPERFUND SITE, WETLANDS/DRAINAGE ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.

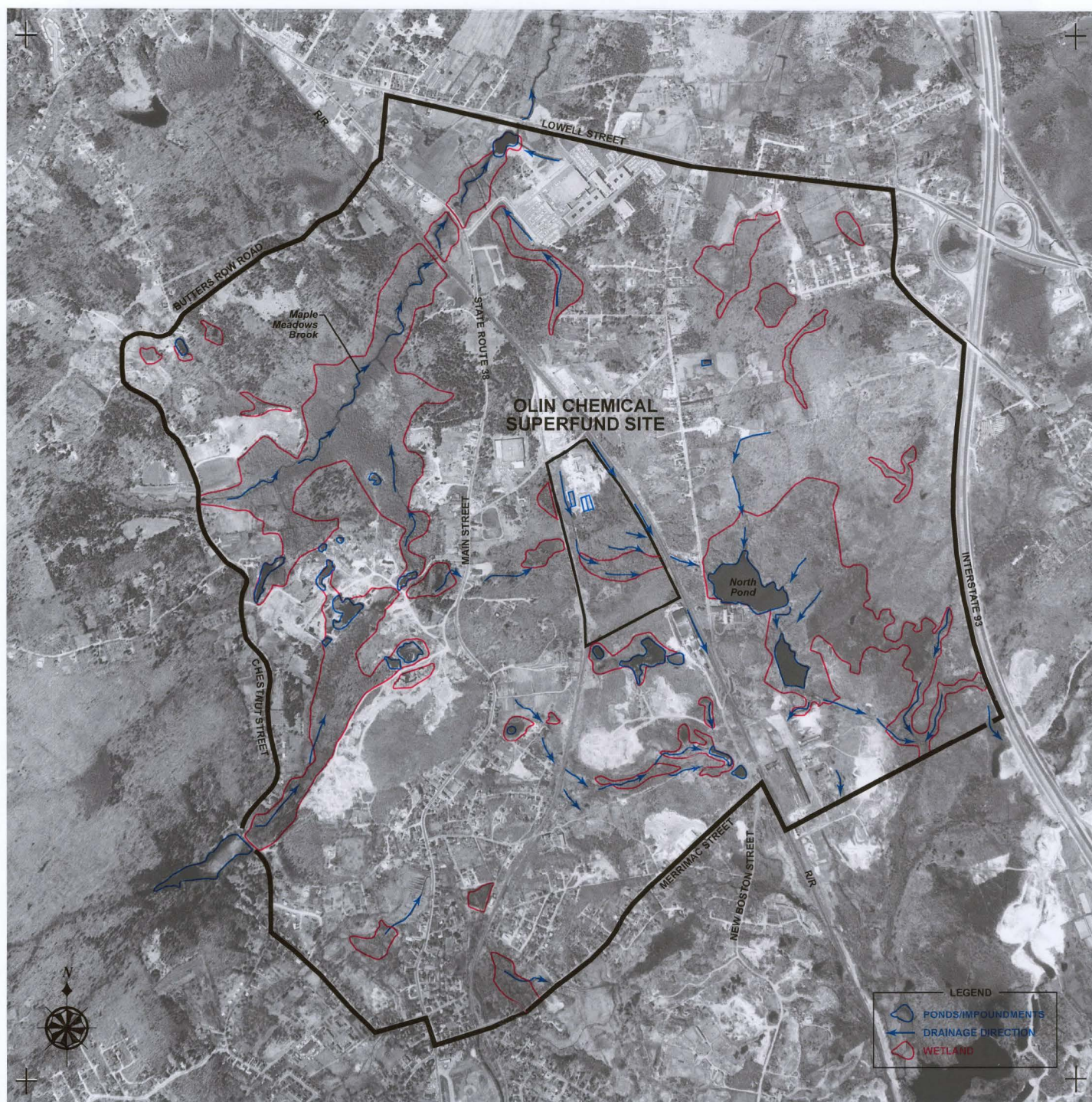


FIGURE 18. OLIN CHEMICAL SUPERFUND SITE, WETLANDS/DRAINAGE ANALYSIS, MAY 5, 1960.
APPROXIMATE SCALE 1:10,000.

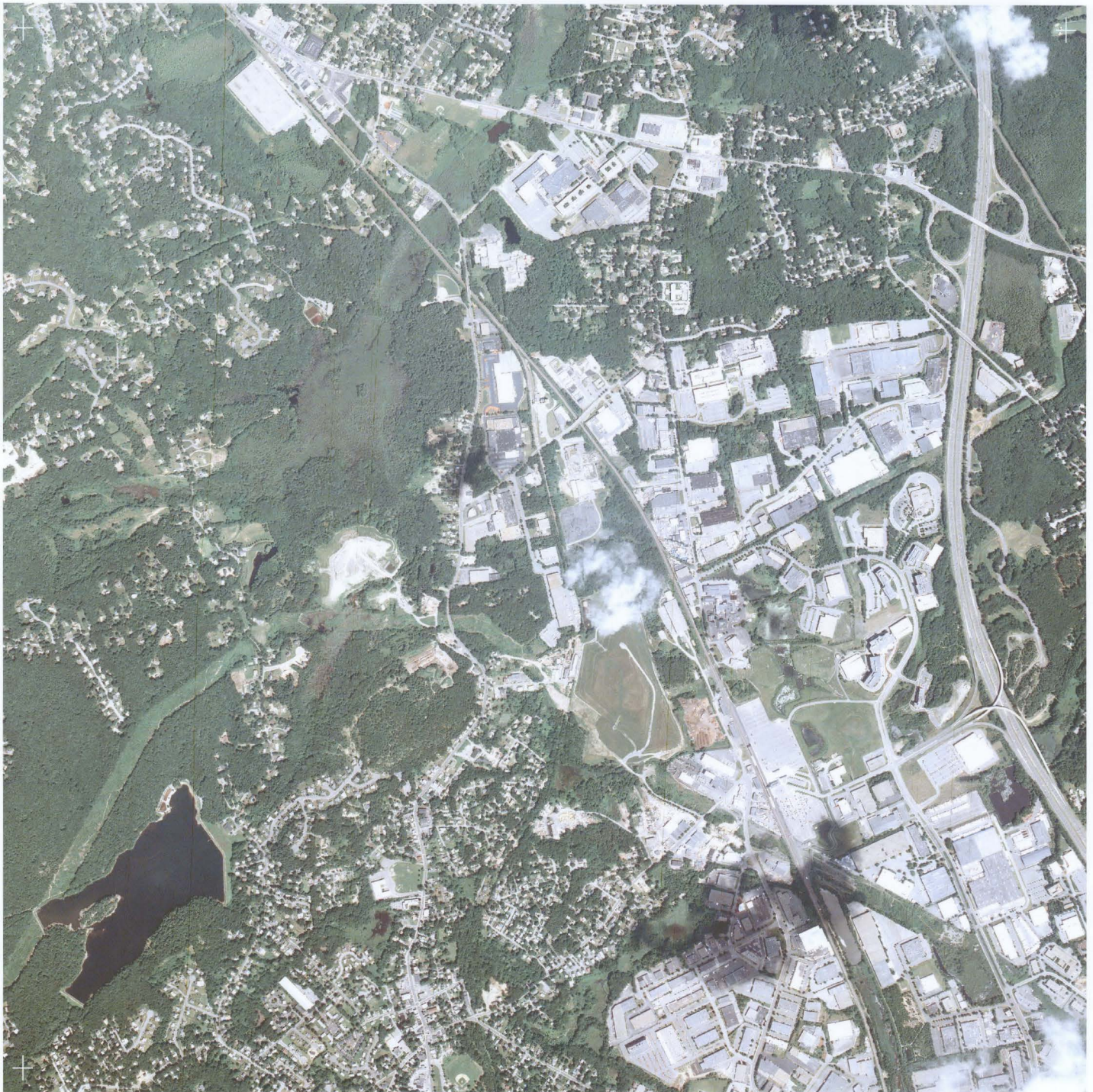


FIGURE 19. OLIN CHEMICAL SUPERFUND SITE, WETLANDS/DRAINAGE ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.



FIGURE 19. OLIN CHEMICAL SUPERFUND SITE, WETLANDS/DRAINAGE ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.

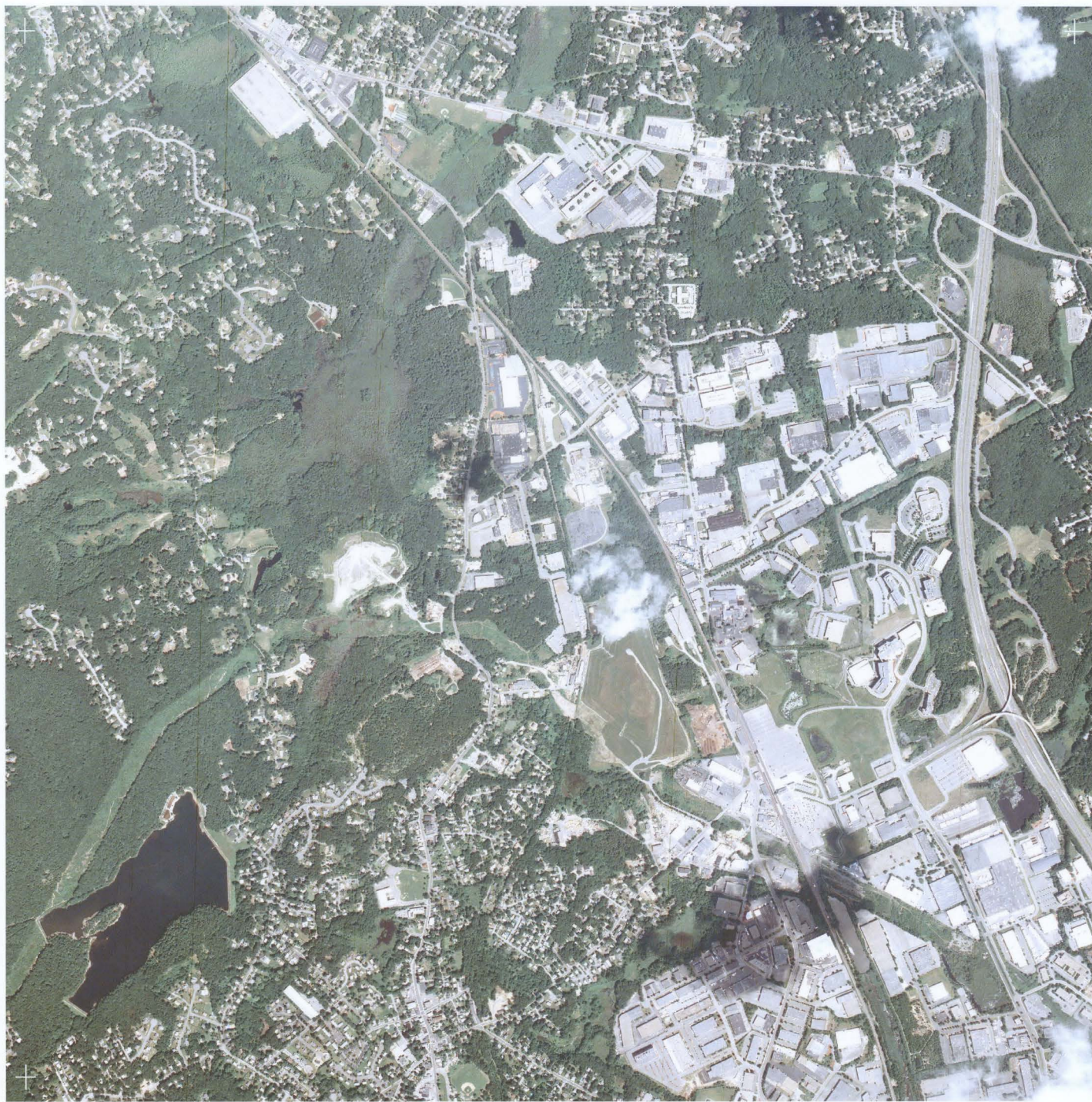


FIGURE 20. OLIN CHEMICAL SUPERFUND SITE, FRACTURE TRACE ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.

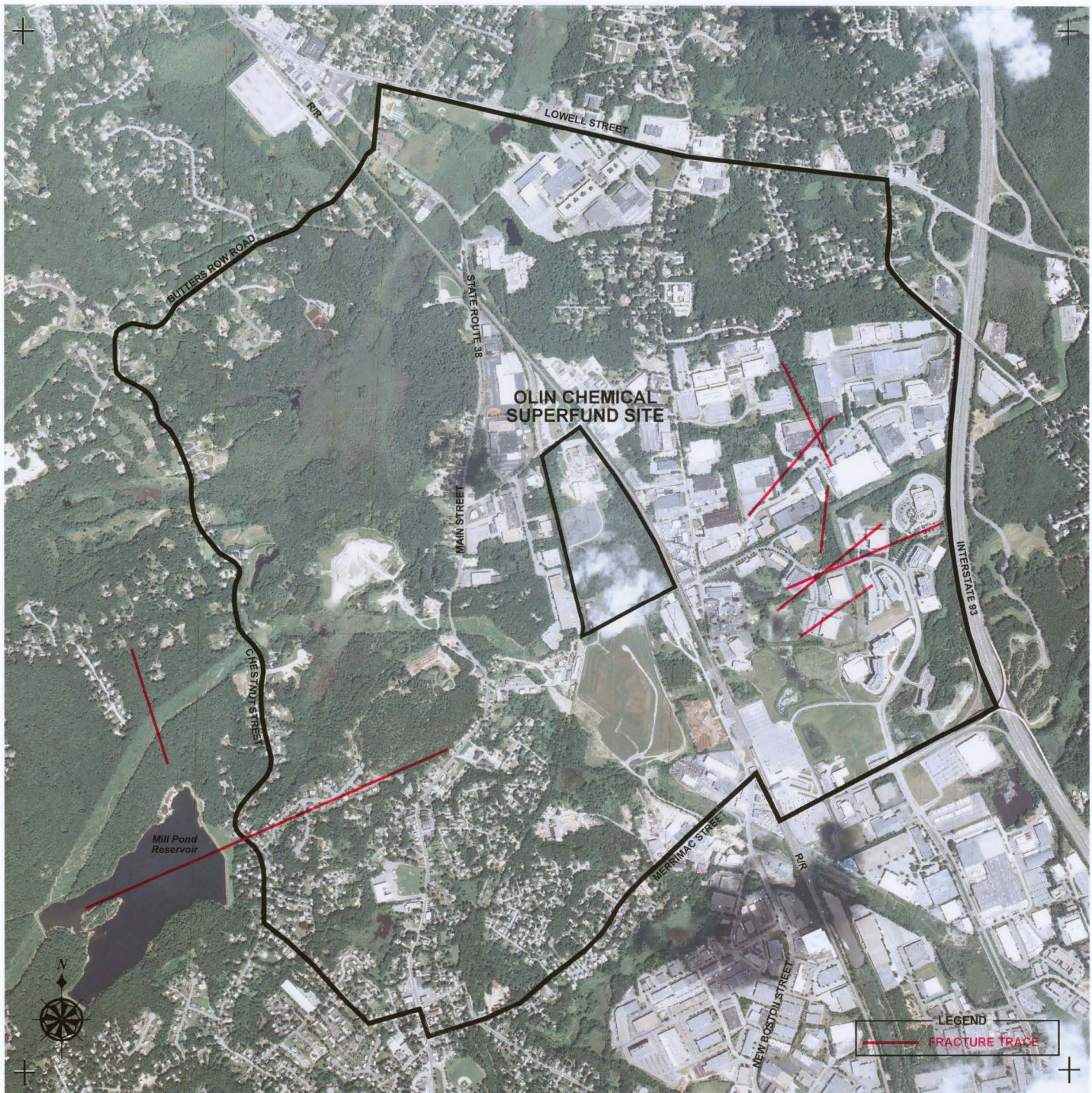


FIGURE 20. OLIN CHEMICAL SUPERFUND SITE, FRACTURE TRACE ANALYSIS, JULY 4, 2004.
APPROXIMATE SCALE 1:10,000.